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54 Multimers of the soluble forms of TNF receptors, their preparation and pharmaceutical compositions containing them.

57 Multimers of the soluble forms of the tumor necrosis factor receptors (TNF-Rs) are provided. These multimers are produced either by chemical or by recombinant methods. The multimers of the

soluble forms of TNF-Rs are useful for protecting mammals (including humans) from the deleterious effects of TNF.

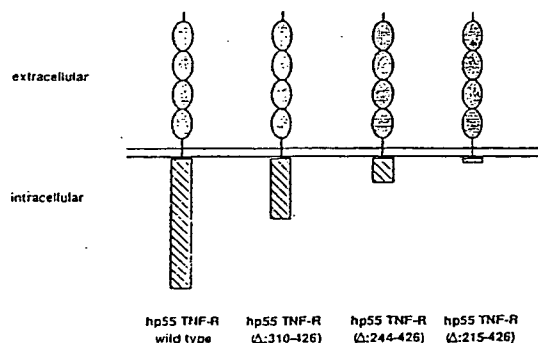


FIGURE 2



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## EUROPEAN SEARCH REPORT

Application Number

EP 92 11 3463

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	EP-A-0 418 014 (IMMUNEX CORPORATION, US) 20 March 1991	1-4, 8-10, 13-27	C12N15/12 C12N15/62 C12N5/10
Y	* Page 6, lines 21-44; Page 8, lines 7-25, the claims *	5-7, 11, 12	A61K9/50 A61K37/02 C12P21/08
D, Y	EP-A-0 398 327 (YEDA RESEARCH AND DEVELOPMENT COMPANY LTD, IL) 22 November 1990 * Page 2, lines 49-55; pages 7-10, the claims *	5-7	
Y	FRERE, J.M. ET AL. 'Les méthodes de purification et d'analyse des protéines' 1981, MASSON, PARIS, FRANCE * page 48 - page 49 *	11, 12	
D, A	EP-A-0 308 378 (YEDA RESEARCH AND DEVELOPMENT COMPANY LTD, IL) 22 March 1989		
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C07K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 04 MARCH 1993	Examiner S.A. NAUCHE
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : technological background O : non-written disclosure P : intermediate document * : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category			
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